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Food Marketing Institute, a non-profit trade association, conducts programs in research, education and public affairs on behalf of its members—retailers and wholesalers from corner stores to supermarket chains—and their customers. FMI Membership includes food chains, independent grocers, voluntary wholesalers and cooperatives in the United States, Canada and about 30 foreign countries.

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DATA PROCESSING SURVEY - 1980

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DATA PROCESSING SURVEY - 1980

At the request of the Advanced Management Information Systems (AMIS) Committee, FMI has again conducted a survey of the data processing activities of food retailers and wholesalers. Questionnaires were mailed to the Director of Data Processing of the 213 FMI member companies with annual sales of more than $40 million. Usable questionnaires were returned by 92 companies.

The questionnaire was designed to develop comparative statistics which are useful to data processing managers. In addition, the level of company experience with selected technologies was explored. The results, usually broken down by company size, are given in the following tables. Where appropriate, average percents were calculated by weighting for company size. A copy of the questionnaire is included.

New this year is a section listing, by company, data processing projects which are under active development.

TABLE 1

Number of Respondents by Size and Type of Company

Company Size	Number of Firms Retailers	Wholesalers	Total
Less than $100m	18	No Data	18
$100m to $249m	11	9	20
$250m to $499m	20	4	24
$500m or greater	23	7	30
Total	72	20	92

TABLE 2

Average Number of Data Processing Employees by Size and Type of Company

Company Size	Number of DP Employees Retailers	Wholesalers
Less than $100m	5.8	No Data
$100m to $249m	11.3	17.6
$250m to $499m	30.3	46.3
$500m or greater	157.4	114.3
Average	61.9	57.2

TABLE 3

Proportion of Data Processing Employees in Each Job Title by Size and Type of Company

Retailers

Job Titles	Less than $100m	$100m-$249m	$250m-$499m	$500m+	Average
Administration	8.5%	12.5%	8.7%	6.1%	6.7%
Project Management	2.4	4.4	3.9	4.7	4.5
Systems Analysts	6.3	1.6	4.7	5.5	5.3
Programmer/Analysts	5.3	16.5	10.8	9.1	9.5
Programmers	6.8	5.2	10.6	8.0	8.2
Technical Support (Comm., data base, systems)	.1	2.8	5.4	4.8	4.7
Computer Operations	24.4	22.8	22.1	23.1	23.0
Data Entry	43.8	31.0	28.5	27.3	28.0
Other	2.4	3.2	5.3	11.4	10.1
Total	100%	100%	100%	100%	100%

Wholesalers

Job Titles	Less than $100m	$100m-$249m	$250m-$499m	$500m+	Average
Administration	No Data	9.1%	8.1%	7.6%	7.9%
Project Management	No Data	2.2	6.5	4.1	4.2
Systems Analysts	No Data	1.9	3.2	4.9	4.2
Programmer/Analysts	No Data	9.5	18.4	12.0	12.7
Programmers	No Data	9.8	6.5	4.4	5.5
Technical Support (Comm., data base, systems)	No Data	2.8	7.0	4.5	4.7
Computer Operations	No Data	22.1	18.4	26.5	24.6
Data Entry	No Data	33.1	27.0	28.3	28.7
Other	No Data	9.5	4.9	7.7	7.5
Total	No Data	100%	100%	100%	100%

TABLE 4

Annual Employee Turnover Rate for
the Total Data Processing Department

Company Size	Employee Turnover Rate Retailers	Wholesalers
Less than $100m	11.0%	No Data
$100m to $249m	19.5	13.0%
$250m to $499m	12.1	9.3
$500m or greater	16.2	14.4
Average	15.6	13.4

TABLE 5

Average Data Processing Expense for Most Recently
Completed Fiscal Year by Size and Type of Company

Company Size	Data Processing Expense Retailers	Wholesalers
Less than $100m	$ 144,305	No Data
$100m to $249m	429,246	$ 428,737
$250m to $499m	811,051	1,909,087
$500m or greater	6,248,272	$4,442,861
Average	$2,399,723	$2,219,277

TABLE 6A

Data Processing Expense as a Percent of
Company Net Sales by Size and Type of Company

Company Size	Most Recent Fiscal Year Retailers	Wholesalers
Less than $100m	.20	No Data
$100m to $249m	.20	.32
$250m to $499m	.21	.39
$500m or greater	.25	.32
Average	.24	.33

Company Size	Current Budget Retailers	Wholesalers
Less than $100m	.20	No Data
$100m to $249m	.19	.33
$250m to $499m	.23	.41
$500m or greater	.25	.32
Average	.25	.33

TABLE 6B

Data Processing Expense as a Percent of Company Sales for the Most Recent Fiscal Year Listed by Size and Type of Company

Company Size	Listing od DP Expense as Percent of Sales	
	Retailers	Wholesalers
Less than $100m	.05 .06 .06	No Data
	.07 .08 .10	No Data
	.10 .12 .13	No Data
	.15 .18 .20	No Data
	.21 .27 .29	No Data
	.30 .34 .80	No Data
$100m to $249m	.10 .11 .14	.23 .23 .27
	.18 .20 .20	.30 .30 .36
	.24 .26 .34	.38 .60
$250m to $499m	.06 .10 .12	.33 .35 .40
	.13 .15 .19	.46
	.19 .20 .20	
	.21 .22 .23	
	.23 .25 .25	
	.25 .36 .42	
$500m or greater	.11 .12 .12	.10 .26 .28
	.15 .21 .21	.28 .33 .38
	.22 .23 .23	.43
	.23 .23 .24	
	.25 .25 .27	
	.29 .31 .35	
	.35 .38 .46	
	.47 .47	

TABLE 7

Data Processing Expense Distribution
for Most Recent Fiscal Year by Company Size

Retailers

Expenses	Less than $100m	$100m-$249m	$250m-$499m	$500m+	Average
Wages, Salaries, and Fringes	47.0%	40.2%	51.5%	50.3%	50.2%
Equipment Rental, Maintenance, Rental, Depreciation	31.0	39.0	30.0	29.0	29.0
Software Rental	5.5	1.6	2.0	1.5	1.6
Data Communications	.0	.9	.6	2.5	2.4
Service Bureaus	1.0	.0	.0	.4	.4
Outside Professional Services	3.3	.0	1.4	1.8	1.8
Education, Training	.8	.8	.8	.6	.6
Supplies	8.2	15.0	12.2	8.3	8.9
Other	3.2	2.5	1.5	5.6	5.1
Total	100%	100%	100%	100%	100%

Wholesalers

Expenses	Less than $100m	$100m-$249m	$250m-$499m	$500m+	Average
Wages, Salaries, and Fringes	No Data	43.0%	47.4%	45.0%	45.0%
Equipment Rental, Maintenance, Rental, Depreciation	No Data	37.9	30.4	38.0	37.0
Software Rental	No Data	1.4	4.5	1.1	1.6
Data Communications	No Data	.0	4.9	1.3	1.9
Service Bureaus	No Data	.0	.0	.0	.0
Outside Professional Services	No Data	.0	.4	1.2	1.1
Education, Training	No Data	.4	1.1	1.1	1.0
Supplies	No Data	14.3	7.8	10.0	10.1
Other	No Data	3.0	3.5	2.3	2.3
Total	100%	100%	100%	100%	100%

TABLE 8

Systems Development Activity by Company Size

Retailers

Activities	Less than $100m	$100m-$249m	$250m-$499m	$500m+
System Maintenance	27.8%	26.2%	26.7%	23.6%
Enhancement of On-Going Systems	30.1	22.8	20.3	25.9
Internal DP Dept. Projects	10.0	9.2	6.6	8.8
New Systems Development	32.1	41.8	46.4	41.7
Total	100%	100%	100%	100%

Wholesalers

Activities	Less than $100m	$100m-$249m	$250m-$499m	$500m+
System Maintenance	No Data	28.1%	25.4%	23.8%
Enhancement of On-Going Systems	No Data	27.0	31.9	42.0
Internal DP Dept. Projects	No Data	9.3	8.0	5.5
New Systems Development	No Data	35.6	34.7	28.7
Total	No Data	100%	100%	100%

TABLE 9

Average Hours Per Week Primary Data Processing Facility Operates by Size and Type of Company

Company Size	Hours Retailers	Wholesalers
Less than $100m	54	No Data
$100m to $249m	80	68
$250m to $499m	107	142
$500m or greater	155	158
Average	105	114

TABLE 10

Length of Long-Range Data
Processing Plan by Company Size

Retailers

Length of Plan	Less than $100m	$100m-$249m	$250m-$499m	$500m+	Average
No Plan	16.7%	27.2%	15.0%	4.4%	14.0%
One Year	16.7	9.1	35.0	13.1	19.0
Two Years	44.3	18.2	10.0	30.4	26.0
Three Years	5.6	36.4	15.0	26.1	19.0
Four Years	5.6	.0	10.0	4.4	6.0
Five Years and over	11.1	9.1	15.0	21.6	16.0
Total	100%	100%	100%	100%	100%

Wholesalers

Length of Plan	Less than $100m	$100m-$249m	$250m-$449m	$500m+	Average
No Plan	No Data	33.3%	.0%	14.3%	20.0%
One Year	No Data	.0	25.0	14.3	10.0
Two Years	No Data	11.1	.0	14.3	10.0
Three Years	No Data	22.3	50.0	42.8	35.0
Four Years	No Data	.0	.0	.0	.0
Five Years and over	No Data	33.3	25.0	14.3	25.0
Total	No Data	100%	100%	100%	100%

TABLE 11

Proportion of Companies with a Formal
Disaster Recovery Plan by Size and Type of Company

Company Size	Retailers	Wholesalers
Less than $100m	33%	No Data
$100m to $249m	36	11%
$250m to $499m	50	75
$500m or greater	43	57
Average	42%	40%

TABLE 12

Proportion of Companies with a Senior Management
Committee for Establishing Priorities by Size and Type of Company

Company Size	Retailers	Wholesalers
Less than $100m	39%	No Data
$100m to $249m	64	67%
$250m to $499m	60	50
$500m or greater	83	100
Average	63%	75%

TABLE 13

Experience with Selected Technologies

Retailers

Level of Experience	Data Base	On-Line	Distributing Processing	Office Automation	Data Communications	Microfiche
None	16%	16%	32%	37%	19%	21%
Evaluation	45	16	29	50	15	34
Development	10	13	13	10	13	5
Production	21	37	21	3	35	32
Advanced	8	18	5	0	18	8

Wholesalers

Level of Experience	Data Base	On-Line	Distributing Processing	Office Automation	Data Communications	Microfiche
None	7%	0%	0%	13%	3%	6%
Evaluation	27	3	23	50	3	10
Development	13	17	21	13	4	7
Production	40	73	43	20	57	60
Advanced	13	7	13	4	33	17

LIST OF MAJOR ACTIVE DP DEVELOPMENT

PROJECTS OF FOOD DISTRIBUTORS

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Affliated Food Stores, Inc.	On-Line Purchasing Receiving	Automated purchasing and receiving via CRT
	Product Distribution	Rewrite/update and refine order distribution system
Affiliated Foods, Inc.	IMPACT (IBM Inventory Management Program)	Combining IMPACT with custome built buying and inventory control
	Point-of-Sale	Supporting stores desiring warehouse assistance in Point-of-Sale maintenance and reporting
	Shelf Tags	Warehouse printing and control of shelf labels and retail shelf pricing
Alpha Beta Company	Produce On-Line Receiving	Provide warehouse inventory information to warehouse management and buyers
	Personnel System Phase IV	Provide employee benefit information
	Facilities Maintenance	Parts inventory tracking system
	POS-PSS	Install IBM's programmable store system
	Inventory Master	Create inventory master file in an on-line data base environment
Acme Markets, Inc.	New Payroll System	IMS-DB payroll
	Expand Order Entry Applications	Inventories, price and variety checks, pre-set order system
	New General Merchandise Distribution Center	On-line warehouse applications
	New Accounts Payable	On-line processing
	Expand Office Systems	Text, word processing
	Real Estate System	Store profile system

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Arden-Mayfair, Inc.	On-Line Buying and Merchandising	User orient on-line buyer/merchandising
	Energy Management	Kuh reduction
	Point-of-Sale	ECR and scanner
Associated Food Stores, Inc.	On-Line Invoicing	Videos and printers at shipping, frozen food, deli and general merchandise
	Data Base Implementation	Orders processed as requested from each department
	Point-of-Sale Interface and communication	Interfacing, NCR, Sweda, Data Terminal and IBM scanning to a Burroughs 6930
	On-Line Random Meat Manifest System	Ordering and printing invoice for meat and deli department
Associated Grocers, Inc.	Customer Service Support	Integrated Point-of-Sale and competitive price management
	Records Management	All major computer files maintained on-line
Associated Grocers of Colorado, Inc.	Product Disposition	Covered order entry, product distribution and product merchandising. All product lines in an integrated data base
	WWCSS	Chain store system on-line warehousing
Bells Markets	Inventory Control	Rewrite inventory systems
	Open Purchase Order	On-line receiving of merchandise
Big Bear Stores Company	Direct Store Delivery Scanning	
Big V Supermarkets, Inc.	Labor Scheduling	Schedule all front-end labor
	Competitive Price Checks	Monitor select competitors in each marketing area
	Store Maintenance Reporting	Monitor service history in each store by department
	Store Communication	In-store data collection and message switching network

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Brentwood Markets, Inc.	Communication	H-P to NCR
	Data Base	Manipulation of scanning data
Buehler Food Markets, Inc.	Fixed Assets	General asset accounting with property tax
	Warehouse Inventory	Basic inventory cost/control
H. E. Butt Grocery Co.	Order Processing and Billing	
	Payroll and Human Resources	
	Fixed Assets	
	Gross Profit - Retail Control Accounting	
	On-Line Receiving/ Warehouse Management	
	Store Labor Productivity	
	Automated Freezer Warehouse	
Chatham Super Markets, Inc.	Investment Purchasing	Buying under constraints of an ROI for investment
	Scanning	Justification process
	Skills Inventory	Personnel data base
	Direct Store Delivery	
Community Cash Stores	System Conversion	Changing from S/3 MOD 12 to S/38. Going on-line to allow buyers interactive access to inventory
The Copps Corporation	Wand Ordering	Shelf tags - bar code
	Scanning	Programs - item movement store and corporate applications

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
The Copps Corporation	General Merchandise	On-line to host computer rental inventory control, purchase order and billing system
Cullum Companies, Inc.	Inventory Conversion	Data base conversion; changes to and development of on-line applications for our inventory control system to be installed in our Midwest division
	Scanning Installation	First Tom Thumb scanning store
	Pantry Financial	Consolidation of West Coast financials
Delchamps, Inc.	Scanning	15 stores 1980; 10 stores 1981
	On-Line	Convert existing applications
Dillon Companies, Inc.	On-Line Warehouse System	On-line receiving, slot allocation, slot let-down
	Scanning	Host support outgoing and incoming
Fleming Companies, Inc.	Warehouse Productivity	Real time capture of selector productivity
Food Fair, Inc.	General Ledger	
	General Financial	
	On-Line Warehouse	
	Automatic Purchase Order	
	Scanning	
Foodarama Supermarkets, Inc.	Direct Store Delivery System	
Gateway Foods, Inc.	Work Measurement	Evaluate labor productivity and determine appropriate standards as a means of determining productivity

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Gateway Foods, Inc.	Catch Weight Inventory Control and Billing System	Capture incoming and log outgoing shipments or catch weight items by scanning; rotation control
General Grocer Company	Conversion	Conversion from Honeywell to IBM main frame
	Store Systems	Continuing maintenance and enhancement to scanning store support
Gerlands Food Fair, Inc.	Direct Store Delivery Price Book	
	Various Merchandising Programs	
	Payroll	
Giant Eagle Markets, Inc.	Distribution Center Support	
	Labor Scheduling Support	
	Direct Store Delivery, Phase II	
	Meat, Phase II	
	Automatic Reordering	
Giant Food, Inc.	Distributions Operation Support System and Automated Frozen Food Warehouse	Software to provide central communications control of various automated warehouses and development of programs and installation of EQPT for an automated frozen food warehouse
	Seafood Processing Plant	Software system to process store orders for seafood, providing input to operate and control plant processing equipment, and provide output for accounting control

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Giant Food, Inc.	Computer Assisted Dispatching System	To control operation of company fleet
Giant Food Stores, Inc.	Install DL/1	Implement data base
	Develop Item Maintenance System	Common on-line item maintenance system for all sources
	Install Scanning	First store
The Grand Union Company	Direct Store Delivery	Provide shelf labels and authorization catalogs
	Point-of-Sale Scanning	Soft and hard savings benefits from store scanners
	Integrations	Put Colonial and Weingarden corporations on Grand Union systems
The Great A & P Tea Co.	Financial and Office Automation	
	Warehouse/Inventory Management and Control	
	Point-of-Sale/ Scanning Installations	
Great Scot, Inc.	Warehousing - Complete Inventory Control	Develop a complete warehousing system controlling all products at point of ordering, receiving, shipping
The John C. Groub Co.	General Office Accounting	
Hannaford Brothers Co.	Retail Accountability	Convert existing accounting system for supermarkets to the so-called retail method of accounting
	Order Entry	Create an on-line data base of customer orders for automatic feeding of various (grocery, meat produce, etc.) billing systems

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Harris-Teeter Super Markets	Fixed Assets	Asset management
	Sales Plan	On-line aid in developing company sales plan
	Inventory Control	Inventory control and billing with on-line access and input
Heinens, Inc.	UPC Scanning	Electronic cash registers (all controls for price changes - new items, etc.) creating the complete inventory disk with UPC codes, etc. to enter into store computer
Hillmans, Inc.	General Ledger	General ledger and profit center statements for subsidiary company in catering business
	Production Order System	Production orders for kitchen, bakery, ice cream, etc.
Hudson-Thompson, Inc.	Purchasing Inventory Control	Forecast movement forward buy create purchase order RCV and create A/P
Hughes Markets	Charge System	Credit card charges
	Fuel Control	Mini-computer to control fuel
	Bakery Orders	Control orders of baked goods from outside vendors
	On-Line	Programming
	Distribution Process	File maintenance
Iandolis Super Markets, Inc.	Store Communications	Main frame to scan stores
	Direct Store Delivery	Computerize receiving
	CRT's or Tubes	Installation in various key head-quarter departments
	Vehicle and Equipment Maintenance	Computerize repair and maintenance costs and schedule pm

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Jewel Foods	Transfer Payroll Data Gathering Account Receivable On-Line Receiving Item Data Base	On-line maintenance of item information by people directly responsible
	Bill of Material Vehicle Routing	Manufacturing
Kohls Food Stores	Direct Store Delivery Accounts Payable	Direct store delivery with accounts payable
	Payroll	Replacing payroll package
	Financial Control	Installing financial control package
The Kroger Company	On-Line Purchase Orders	Availability of purchase orders information in an on-line environment
	In-Store Mini-Computers	Testing feasibility of using mini's for Direct Store Delivery, energy management, time and attendance pharmacy at store level
	Payroll/Personnel	Complete revamping of existing system, i.e., on-line functions, data base where appropriate, etc.
	Corporate Third Party	System to handle third party claims for SupeRx and Kroger pharmacies
Lucky Stores, Inc.	Store Systems	Point-of-Sale
Marsh Supermarkets, Inc.	On-Line Purchasing System	
	On-Line Warehouse System	
May Company	Order Scheduling	Hold orders for invoicing til shipment time

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
May Company	Batch Picking	Filling more than one order at same time by same person
	Routing	Print load and route reports of shipped product
	Store Group Profitability Analysis	Analyze costs to service store groups
Mayfair Super Markets, Inc.	Management Information System	Financial reportings
	G/R System	G/R enhancement
	Scanning	Point-of-Sale data capture
Mick-or-Mack Stores Co., Inc.	Update Systems	Currently updating systems to take advantage of computer upgrade from batch to multi-programming
Pay Less Super Markets, Inc.	Selectable Period Profit Plan Statements	Capability to generate financial statements based upon any desired time period, i.e., monthly, quarterly, any combination of months, projected statements, etc.
Pennys Super Markets, Inc.	Scanning	Integrated and communication with store processors for scanning and management information
Price Chopper Supermarkets	Perishable Billing	Electronic order entry/recap/on-line corrections
Publix Super Markets, Inc.	Inventory Management	Design with data base with on-line buying and warehouse management
	Direct Store Delivery	Using OCR reader and Publix standard invoice
Purity Supreme, Inc.	Cash Management	
	Warehouse Reporting Systems	

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Q F C, Inc.	Perpetual Inventory	Use scanner and wholesaler information for maintaining running stock
	Financial	Install financial packages including payroll, A/P, G/L, budget, fixed assets, etc.
	Scanning	Develop miscellaneous scanning information processing systems
Red Owl Stores, Inc.	General Ledger	
	Payroll/Personnel	
	Scanning	
Rosauers Super Markets, Inc.	New Payroll	Using CYBORG
	New General Ledger	Using software international
	Money Order System	
	Pricing System	
Roundy's, Inc.	On-Line Receiving	
	On-Line Purchasing	
Seaway Food Town, Inc.	General Merchandise Warehouse	Programming to support new general merchandise warehouse
Sentry Markets, Inc.	On-Line Item File Maintenance	Use CRT's to enter new items, price changes, etc.
	Scanning Support	Develop programs, files, and procedures
Shaws Supermarkets, Inc.	On-Line Billing	Inquiry/updates
	On-Line Inventory Control	Auto purchase order writing
	On-Line Direct Store Delivery	Billing
	On-Line Payroll	Update
	On-Line Inquiry All Phases	Any master file

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Smith's Management Corp.	Central Price Control	For scanning stores to include direct vendor items
	Fixed Asset	Control for total corporate assets
Star Supermarkets, Inc.	Automatic Ordering	Generate standard grocery order from history
	Cash Flow and Labor Projection	Determine cash requests and labor hours based on Point-of-Sale
Sunshine Food Markets	Accounts Payable	
	Inventory Control	Warehouse
Super Food Services, Inc.	Operating Systems Conversions	From DOS/VS to DOS/VSE at four divisions
	Planning	Develop intermediate and long range plans
	Corporate Billing and Inventory Control System	To support corporate, private label buying and distribution
Super Valu Stores, Inc.	Purchase Order Management System	On-line purchase order creation and maintenance by buyers
	Warehouse Receiving	On-line warehouse receiving
	EPOS Communications	Communications software to connect host to major EPOS vendors in store computers
Supermarkets General Corp.	ERISA	A mandated system to be used in conforming to government regulation regarding pension and profit sharing information and reporting
	Point-of-Sale Application Study	Feasibility study to develop a list of applications for scanning data

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
Supermarkets General Corp.	Corporate On-Line Payroll Entry	Provide the direct entry of payroll information from stores via CRT. This will eliminate time card data entry.
	Retail Accounting	Major modification to our accounting system to enable Pathmark to move to the retail method of inventory valuation with corresponding gross profit and shrink reporting
	Frozen Food Automated Warehouse	System to support SI Ordermatic which is a 3 quad system utilizing Terminets to drive the system
	General Merchandise Distribution Control System	System to support a mechanized non-foods warehouse to include an on-line receiving, location and inventory control system
	Delivery Control System	On-line control system for the monitoring and control of trailer deliveries and optimization of truck routing
	Multiple Store Support	Communication and interface system to support multiple vendors for scanning
	Inventory Management System	Research and development system to determine the feasibility of controlling inventory levels at our Homecenters
	MVS Conversion	Conversion from OS/MVT to MVS
The Tamarkin Company	Scientific Buying	Creation of scientific buying package
Thorofare Markets, Inc.	Accounts Payable Payroll Review	System developed 1971

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
United Grocers Ltd.	On-Line Warehouse	New system for warehouse
	Point-of-Sale	Additional Point-of-Sale stores
	On-Line Buying	Cost cards on-line
Victory Markets, Inc.	On-Line Data Entry/ Inquiry	
	Bar Coded Shelf Labels	
	Automated Meat Receivings and Billing	
	Processor to Processor Communications	
Vons Grocery Company	Human Resources	Install MSA payroll/personnel
	Bakery	Order entry/on-line distribution using IMS DB/DC
	Warehouse	Distributed processed system for a regional warehouse
	Labor	Develop capture of data for engineered labor standards
	Point-of-Sale	Various uses of scanning data
Waremart, Inc.	Financial Accounting	Payable, payroll, general ledger
	Retail Pricing	Item cost-retail sold in stores and labels
	Scanning Store Support	Price updates, changes made via Telecom
Wegmans	Conveyorized Warehouse	Providing documents necessary for picking product in conveyorized warehouse facility. Also printing net invoices for stores
	Programmable Point-of-Sale - IBM	Implementation of system in our 26 Point-of-Sale scanning stores
	Fixed Asset System	

COMPANY	PROJECT TITLE	BRIEF DESCRIPTION
West Coast Grocery Co.	On-Line Buying System	
The White Stores, Inc.	Purchase Order	On-line purchase order system
Steinberg, Inc.	Payroll	New system for entire organization using a package
	M.P.S.	Merchandise processing system for department store division
	Meat Plant	To provide new facility with total information system
	IBM 3650	All work required to support a scanning store
	On-Line Data Base Production Information Control System	Major supermarket data base system

FMI DATA PROCESSING QUESTIONNAIRE
1980

Responses should include data processing for all company food retailing and wholesaling operations. Headquarters data communication and host support of scanning/ECRs should be included as part of data processing but in-store equipment and activities should be excluded.

1. Number of Data Processing Employees in company (you may use fractional allocations of employees among categories):

Administration	_____
Project Management	_____
Systems Analysts	_____
Programmer/Analysts	_____
Programmers	_____
Technical Support (Communications, Data Base, Systems)	_____
Computer Operations	_____
Data Entry	_____
Other	_____
Total	_____

2. What is your annual employee turnover rate for the Total Data Processing Department? _____%

3. Total company data processing expense last fiscal year . . _____

4. Total company data processing expense last fiscal year as a percent of company net sales. _____

5. Total company data processing expense budget this fiscal year as a percent of company net sales . . . . _____

6. Percent of total company data processing expense (last fiscal year) for:

Wages, Salaries, and Fringes	_____
Equipment Rental, Maintenance, Rental, Depreciation	_____
Software Rental	_____
Data Communications	_____
Service Bureaus	_____
Outside Professional Services	_____
Education, Training	_____
Supplies	_____
Other	_____
Total	100%

7. Percent of company systems development activity allocated to:

Systems Maintenance	_____
Enhancement of On-going Systems	_____
Internal DP Department Projects	_____
New Systems Development	_____
Total	100%

8. Number of hours per week your primary EDP facility operates. _____

9. Length of your long-range EDP plan. _____

10. Does your company have a formal disaster recovery plan? _____ Yes _____ No

11. Senior Management Steering Committee for establishing project priorities. _____ Yes _____ No

12. Experience with selected technologies (check one box for each technology):

Level of Experience	Data Base	On-Line	Distrib. Process.	Office Automa.	Data Commun.	Micro-fiche
Evaluation						
Development						
Production						
Advanced						

13. List of major corporate projects in active development phase:

Project Title	Brief Description	Expected Completion